

**I. AMENDMENTS TO THE CLAIMS:**

Please cancel claims 9, 11 and 17 without prejudice. Kindly amend claims 7, 13, 15 and 21 as follows.

The following listing of claims will replace all prior versions and listings of claims in the above-captioned application.

**LISTING OF CLAIMS:**

Claims 1-6 have been cancelled.

7. (Currently Amended) A reactor for generating moisture, having an inlet side and an outlet side, comprising:
- a first reactor structural component on the inlet side of the reactor having an outside wall;
  - a second reactor structural component on the outlet side of the reactor having an outside wall, wherein the first and second components are mated to form a reactor shell having an interior space;
  - a material gas supply passage provided in the first reactor structural component disposed to supply material gases into the interior space;
  - a material gas supply joint connected to the material gas supply passage;
  - a moisture gas outlet passage provided in the second reactor structural component to lead out moisture from the interior space;
  - a moisture gas take-out joint connected to the moisture gas outlet passage;
  - fin base plates attached to the outside walls of the first and second components;
  - a plurality of fins disposed on the fin base plates, wherein the fins are disposed centrally symmetrical about the material gas supply joint and the moisture gas take-out joint;
  - a heater, having an outside, disposed on the outside wall of the second component; and
  - a heater pressing plate, having an outside, disposed to press on the outside of

the heater, wherein the fin base plate is attached to the outside of the heater pressing plate,

wherein at least one of the fin base plates comprises a through hole for the corresponding joint, and a cut that extends from~~notch connected with the through hole~~ and ~~has~~having a width smaller than ~~an~~approximately the same diameter ofas the through hole.

8. (Cancelled)
9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (Cancelled)
13. (Currently Amended) A reactor for generating moisture according to claim 7~~claim 9~~, wherein said fins are axially symmetrical about said material gas supply joint.
14. (Cancelled)
15. (Currently Amended) A reactor for generating moisture according to claim 7~~claim 9~~, wherein said fins are axially symmetrical about said moisture take-out joint.
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)
19. (Previously Presented) A reactor for generating moisture according to claim 7, wherein said fins comprise surfaces treated with alumite.
20. (Cancelled)
21. (Currently Amended) A reactor for generating moisture, having an inlet side and an outlet side, comprising:

a first reactor structural component on the inlet side of the reactor having an outside wall;

a second reactor structural component on the outlet side of the reactor having an outside wall, wherein the first and second components are mated to form a reactor shell having an interior space;

a material gas supply passage provided in the first reactor structural component disposed to supply material gases into the interior space;

a material gas supply joint connected to the material gas supply passage;

a moisture gas outlet passage provided in the second reactor structural component to lead out moisture from the interior space;

a moisture gas take-out joint connected to the moisture gas outlet passage;

fin base plates attached to the outside walls of the first and second components;

a plurality of fins disposed on the fin base plates;

a heater, having an outside, disposed on the outside wall of the second component; and

a heater pressing plate, having an outside, disposed to press on the outside of the heater, wherein the fin base plate is attached to the outside of the heater pressing plate,

wherein at least one of the fin base plates comprises a through hole for the corresponding joint, and a notch connected with the through hole and having a width that is smaller than the diameter of the through hole.

22. (Previously Presented) A reactor for generating moisture according to claim 21 wherein said fins are disposed symmetrically about the material gas supply joint.
23. (Previously Presented) A reactor for generating moisture according to claim 21 wherein said fins are disposed symmetrically about the moisture gas take-out joint.
24. (Previously Presented) A reactor for generating moisture according to claim 21, wherein said fins comprise surfaces treated with alumite.
25. (Previously Presented) A reactor for generating moisture according to claim 22, wherein said fins are axially symmetrical about said material gas supply joint.

26. (Previously Presented) A reactor for generating moisture according to claim 22, wherein said fins are axially symmetrical about said moisture take-out joint.
27. (Previously Presented) A reactor for generating moisture according to claim 22, wherein said fins are centrally symmetrical about said moisture take-out joint.